

From: "Neely, James" <James.Neely@kingcounty.gov>
To: "Fowlow, Jeffrey" <Fowlow.Jeffrey@epa.gov>
Date: 10/18/2018 12:43:00 PM
Subject: RE: Pillon/May Creek site meeting summary

Hi Jeff,

Are you planning to do total TAL metals or total and dissolved metals analyses? Trying to nail down costs.

Thanks-Jim

From: Fowlow, Jeffrey [<mailto:Fowlow.Jeffrey@epa.gov>]
Sent: Wednesday, October 17, 2018 8:11 AM
To: Buroker, Thomas (ECY) <THBU461@ECY.WA.GOV>
Cc: Neely, James <James.Neely@kingcounty.gov>
Subject: RE: Pillon/May Creek site meeting summary

We're planning on the TAL metals.

From: Buroker, Thomas (ECY) [<mailto:THBU461@ECY.WA.GOV>]
Sent: Tuesday, October 16, 2018 3:52 PM
To: Fowlow, Jeffrey <Fowlow.Jeffrey@epa.gov>
Cc: Neely, James <James.Neely@kingcounty.gov>
Subject: RE: Pillon/May Creek site meeting summary

Jeff,

Do you know which metals would need to be sampled...? e.g. MTCA-5, RCRA-8 or Priority Pollutant-13 or Target Analyte List-23 metals?

Thank you,
Tom

From: Fowlow, Jeffrey [<mailto:Fowlow.Jeffrey@epa.gov>]
Sent: Tuesday, October 16, 2018 9:43 AM
To: Neely, James <James.Neely@kingcounty.gov>; Buroker, Thomas (ECY) <THBU461@ECY.WA.GOV>
Subject: RE: Pillon/May Creek site meeting summary

My assumption was 5 wells X \$800 per sample suite = \$4,000 per round.

My assumption for abandonment was \$100 per foot X 5 wells X 30' each well = \$15,000 for abandonment of all wells. James is correct that the drillers would charge mobilization fees if abandonment was done only one or two wells at a time.

From: Neely, James [<mailto:James.Neely@kingcounty.gov>]
Sent: Tuesday, October 16, 2018 8:51 AM
To: Buroker, Thomas (ECY) <THBU461@ECY.WA.GOV>; Fowlow, Jeffrey <Fowlow.Jeffrey@epa.gov>
Subject: RE: Pillon/May Creek site meeting summary

Hi Tom/Jeff:

We looked into this also. See attached. We estimated lab costs at about \$6,400 per round. We assumed 7 sampling rounds since EPA will do the first round, so that would be around \$45,000 in analytical costs. We also included the cost of doing a QA/QC review of the data and formatting summary tables at around \$3,000 per sampling round (but that could be done internally). Decommissioning should be around \$5,000 per well assuming all were closed at the same time. Closing one or two wells at a time would probably have a higher unit cost (estimated at \$7,000-\$9,000 each).

Jeff may have more accurate estimates.

Thanks-Jim

From: Buroker, Thomas (ECY) [<mailto:THBU461@ECY.WA.GOV>]
Sent: Tuesday, October 16, 2018 8:30 AM
To: Fowlow, Jeffrey <Fowlow.Jeffrey@epa.gov>
Cc: Neely, James <James.Neely@kingcounty.gov>
Subject: RE: Pillon/May Creek site meeting summary

Hi Jeff,

Sorry for the delay getting back to you. Do you have any idea of the cost of the sampling (not labor, just sample processing)? Also, do you know how much decommissioning is projected to cost?

Thank you,
Tom

From: Fowlow, Jeffrey [<mailto:Fowlow.Jeffrey@epa.gov>]
Sent: Thursday, September 27, 2018 1:39 PM
To: Buroker, Thomas (ECY) <THBU461@ECY.WA.GOV>; Moon, Wally <Moon.Wally@epa.gov>
Cc: James.Neely@kingcounty.gov; Warren, Bob (ECY) <rwar461@ECY.WA.GOV>
Subject: RE: Pillon/May Creek site meeting summary

Yes, Tom, I think that's what we're looking at.

The first sampling event will take a little time to set up a lab, write sampling and safety plans, and assemble equipment. Subsequent events will be simpler with the plans already written.

Field work would be 2 people for a day.

Reporting should be relatively simple after the first report establishes a boiler plate.

Thank you.

From: Buroker, Thomas (ECY) [<mailto:THBU461@ECY.WA.GOV>]
Sent: Wednesday, September 26, 2018 8:14 AM
To: Moon, Wally <Moon.Wally@epa.gov>; Fowlow, Jeffrey <Fowlow.Jeffrey@epa.gov>
Cc: James.Neely@kingcounty.gov; rwar461@ecy.wa.gov
Subject: RE: Pillon/May Creek site meeting summary

Hi Wally and Jeff,

Scott mentioned that you are interested in Ecology's help with monitoring wells. I'm trying to get a better idea of the scope and cost. Here is my understanding of the scope:

- Sample 5 monitoring wells quarterly for ~1-2 years
- Groundwater will be sampled for: VOCs, SVOCs, Pest/PCBs, Metals, DRO/GRO.
- Decommission groundwater wells unless we determine they are necessary for further sampling.

Let me know if you have any other information regarding the scope or costs.

Thank you,
Tom

Tom Buroker | Regional Director
Washington State Dept of Ecology | Northwest Region

From: Fowlow, Jeffrey <Fowlow.Jeffrey@epa.gov>
Sent: Tuesday, September 25, 2018 2:53 PM
To: Moon, Wally <Moon.Wally@epa.gov>; Marlow, Scott (ATG) <ScottM4@ATG.WA.GOV>
Cc: Neely, James <James.Neely@kingcounty.gov>
Subject: Pillon/May Creek site meeting summary

James Neely and I met today to discuss additional proposed removal action at the Pillon property. EPA is proposing conducting the following removal activities:

1. Removal of the remaining chemical containers.

It seems like we are in agreement that King County would be more comfortable if EPA conducts the following investigation activities:

1. Scrape up and sample the soil and wood chips where Mr. Pillon claimed to have dumped the contents of many of the containers formerly stored on site. Soil will be analyzed for: VOCs, SVOCs, Pest/PCBs, Metals, DRO /GRO.
2. Complete approximately 10 test pits in the landfill area to look for additional containers and to collect soil samples from under the debris if possible. Soil will be analyzed for: VOCs, SVOCs, Pest/PCBs, Metals, DRO /GRO.
3. Install approximately 5 monitoring wells and collect the initial round of groundwater samples. Groundwater will be sampled for: VOCs, SVOCs, Pest/PCBs, Metals, DRO/GRO.
4. Collect surface water samples based on input from Ecology regarding locations. Surface water will be sampled for: VOCs, SVOCs, Pest/PCBs, Metals, DRO/GRO, and physical parameters.
5. Conduct an asbestos survey; sample suspect ACM, if any.

James will send me a summary of investigation and legal actions taken by the County against Mr. Pillon. James will also send me a list of SW analytes the County needs.

I will send James a copy of the 2016 EPA investigation report. I will also give the County the opportunity to review comment on EPA's draft sampling plan.

I will ask Ecology to send James and me a copy of their 2016 groundwater sampling results.

I will ask Scott and Ecology for any historical photographs they may have, and I will ask them if they have a summary of Ecology/State of Washington investigations and legal actions taken thus far. Scott has offered to provide us with a copy of the LIDAR survey they've created.

If all goes well, we are hoping to mobilize in November 2018. I anticipate approximately one month in the field to accomplish all proposed work.

Jeffrey Fowlow, PG, CHMM
Federal On-Scene Coordinator
U.S. Environmental Protection Agency
1200 Sixth Avenue, Suite 155, ECL-133
Seattle, WA 98101

EMAIL: fowlow.jeffrey@epa.gov
Office: 206-553-2751
Cell: 206-225-5582